

Hello,

We've finished the June 3, 2014 Bulletin 120 (B120) forecast update. The forecasts include observed conditions through the morning of June 3, 2014 and are posted at <http://cdec.water.ca.gov/cgi-progs/iudir?s=b120up>.

Forecast Summary:

Considering the rivers forecasted in the B120 update, the projected median April-July runoff in the major Sierra river basins ranges from 9 percent on the Tule River to 49 percent for both the Total Inflow to Shasta Lake and the Sacramento River above Bend Bridge. All forecasts stayed the same except: the forecasts for the Sacramento Inflow to Lake Shasta and the Sacramento River at Bend Bridge decreased one percent; the forecasts for the Tuolumne and the San Joaquin rivers rose one percent; the forecast for the Tule River dropped two percent.

Runoff:

The observed flows for May indicate that the Sacramento, San Joaquin, and Tulare Lake region rivers flowed at rates of 30, 36, and 35 percent of average. Water Year-to-date percent of average values for these regions are 40, 34, and 32.

Precipitation:

For May, the Northern Sierra 8-Station (8SI) precipitation index gained 0.7 inches (33 percent of average) which makes the water year total through May 28.8 inches which is 61 percent of average.

For May, the San Joaquin 5-Station (5SI) precipitation index registered 1.0 inch (56 percent of average). This makes the water year total through May 19.2 inches which is 49 percent of average.

In the Tulare Lake basin, the precipitation for May was about 58 percent of average.

No precipitation has been measured in June for these three regions.

Statewide precipitation for the Water Year-to-date is about 55 percent of average. Last year at this time, the percent was about 75.

Snowpack:

Today, only two snow sensors are registering snow: Lake Lois (American) and Independence Lake (Truckee). These pillows are expected to be bare by next week. According to the latest satellite images, snow remains in some river basins above the elevations monitored by the sensors, especially in the San Joaquin basin.

Weather and Climate Outlook:

No precipitation is forecast in California over the next six days. Freezing levels over the Sierra are expected to remain between 13,500 and 16,000 feet for the period.

The NWS Climate Prediction Center's (CPC) one-month outlook for June, updated May 31, continues to suggest increased chances of above normal temperatures for all of the State. The same outlook predicts equal chances of above or below normal precipitation for all of the Sierra.

The CPC's three-month outlook (June-August), updated May 15, suggests increased chances of above normal temperatures for all of California. The same outlook predicts equal chances of above or below normal precipitation Statewide.

ENSO-neutral conditions continue in the equatorial Pacific. The chance of El Niño conditions increases during the remainder of the year, exceeding 65% by summer. Sea surface temperatures are above average across the equatorial Pacific Ocean. Region 3.4 is about 1.4 degrees centigrade warmer than in February.

Next Update:

The next Bulletin 120 update for conditions on June 10, 2014 will be available June 12, 2014. Next week's forecast is likely the last one for the season.

If you have any questions regarding this forecast, please contact a member of the Snow Surveys staff. We are happy to help.